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Application Number

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First Named Inventor

Atsutaka MANABE et al.

Group Art Unit

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Examiner Name

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	15	Patent Abstracts of Japan Bd. 017, Nr. 079 (C-1027), 17. Februar 1993 (1993-02-017)	
	16	CHAN, L.K. M. et al: "synthesis and evaluation of some 4,4"-disubstituted lateral fluoro-1,1':4',1"-terphenyls" MOLECULAR CRYSTALS AND LIQUID CRYSTALS; ISSN: 0026-8941, Bd. 123, 1985, 185-204, XP009038157.	
	17	CHAN, L.K. M. et al: "Reentrant nematic and injected smectic behaviour in binary mixtures including those of terminally non-polar compounds" MOL. CRYST. LIQ. CRYST. Bd. 150, 1987, 335-359, XP009038155.	
	18	CHAN, L.K. M. et al: "Synthesis and liquid crystal behaviour of further 4,4"-disubstituted 2'-fluoro-1,1':4',1"-terphenyls" MOLECULAR CRYSTALS AND LIQUID CRYSTALS; ISSN: 0026-8941, Bd. 158, 1988, XP000005279.	
	19	GRAY, G. W. et al: "The synthesis of several lateral difluoro-substituted and 4,4"-dialkyl- and 4,4"-alkoxyalkyl-terphenyls and a rationalization of the effect of such substitution on mesophase type and transition temperatures" MOLECULAR CRYSTALS AND LIQUID CRYSTALS; ISSN: 0026-87941, Bd. 204, 1991, 43-64, XP000236763	
	20	HIRD M ET AL: "The synthesis transition temperatures of some lateral cyano-substituted 1,1':4',1"-terphenyls" MOLECULAR CRYSTALS AND LIQUID CRYSTALS, Bd. 206, 1991, 205-221, XP000236824.	
	21	XU, J. et al: "Liquid crystal system as molecular machinery: investigation of dynamic impedance matching between molecular core and terminal groups using rotor-bearing model" Japanese journal of applied physics, Bd. 39, Nr. 4A, Part 1, 2000, 1801-1807, XP001014936.	
	22	Reiffenrath, V. et al: "Synthesis and properties of liquid crystalline materials with high optical anisotropy" SPIE LIQUID CRYSTAL DISPLAY AND APPLICATIONS, Bd. 1257, 1990, 84-94, XP009038208.	

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